

DESCRIPTIVE ABSTRACT

DIVERSITY RECEPTION SLOTTED FLAT-PLATE ANTENNA

5 The invention relates to a planar antenna realised on a substrate (2) comprising a slot (1) of closed form dimensioned to operate at a given frequency in a short-circuit plane of at least one feed-line (3, 4). In this case, the perimeter of the slot is designed such that $p = k\lambda_s$ where k is a whole number greater than 1 and λ_s the guided wavelength in the slot.

10 On the other hand, it comprises at least one first feed-line (3) placed in an open circuit zone of the slot and a second feed-line (4) placed at a distance $d = (2n+1) \lambda_s/4$ from the first line, where n is an integer greater than or equal to zero.

 The invention is particularly applicable to wireless transmissions.

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Fig. 1